IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| Applicants: Application No.: Date Filed: Title: | | | Group Art Unit: Examiner: | |
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| | | MULTI-BIT NON-VOLATILE METHOD THEREFOR | E INTEGRATED CIRCUIT MEMORY AND | |
| | | INFORMATION DISCLO | OSURE STATEMENT (IDS) | |
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| States F for sub- | n attache Patent and mitting a application | d Form PTO/SB/08 and/or subsequent Trademark Office. Pursuant to the O copy of each cited U.S. patent and each sfiled after June 30, 2003 and for all | ompliance with 37 C.F.R. §§1.97 and 1.98, the reference of the interpretation of the Unit of the Unit of the Herein, are for consideration by the Unit of the waiving the requirement under 37 CFR 1.98 (a)(2) of U.S. patent application publication for all U.S. nation of the International applications that have entered the nation of the reference are not submitted herewith. | ted (i) nal |
| I. | <u>COPIE</u> a.⊠ | A legible copy of (i) each foreign pa to be listed; and (iii) all other info | atent; (ii) each publication or that portion which caused ormation or that portion which caused it to be listed, | |
| | b. 🗌 | enclosed herewith were previously c | information which are listed on PTO/SB/08 which are related by or submitted to the PTO in one of the following on for an earlier filing date under 35 U.S.C. §120: | not ing |
| | | U.S. Serial Number | U.S. Filing Date | |
| II. | CONC! a. b. c. □ | information are in the English langua A concise explanation of the relevar that is not in the English language is | (b) of this section, all of the patents, publications or othe age (concise explanation not required). ace of all patents, publications or other information list | |
| ии. 🗀 | The Ex | | o-pending application(s) contain(s) subject matter that maging this (these) applications to the Examiner's attention | |
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| IV. 🛛 | <u>1 H15 1</u> a.⊠ | | date of a national application other than a continu 53(d) (37 C.F.R. §1.97(b)(1)). No fee or statement | |
| | b. | within three months of the date of international application (37 C.F.R. § | entry of the national stage as set forth in § 1.491 in § 1.97(b)(2)). No fee or statement is required. | |
| | c. | | fice Action on the merits (37 C.F.R. §1.97(b)(3)). No fi | fee |
| | d. | before the mailing date of a first (| Office Action after the filing of a request for continual R. § 1.97(b)(4)). No fee or statement is required. | ıed |

| V. 🗆 | before the mailing date of any of a Final Office Action under 37 C.F.R. §1.113, a Notice of Allow under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in the application (See 37 C §1.97(c)). | | | | | |
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| | a. b. | No state | ment; therefore, charge deposit ac statement below. No fee is require | count 502117 the fee set forth in 37 C.F.R. §1.17(p). d. | | |
| VI. | | fore payr a statem | ING FILED UNDER 37 C.F.R. § ment of the issue fee and is accompent under 37 C.F.R. §1.97(e) as pulposit account 502117 the petition | oanied by the following: ovided below; and | | |
| VII. | | | NDER 37 C.F.R. §1.97(e) (check hereby states that | only one box, if applicable) | | |
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| | c. | some of foreign informat a counte to the re informat a counte making | Patent Office. As to this info- tion contained in the IDS was cited expart foreign application not more emaining information, the understion contained in the IDS was cited expart foreign application or, to the reasonable inquiry, no item of it al designated in 37 C.F.R. 1.56(6) | d in the IDS were cited in a communication from a mation, the undersigned states that each item of I in a communication from a foreign Patent Office in than three months prior to the filing of this IDS. As igned hereby states that no item of this remaining I in a communication from a foreign Patent Office in knowledge of the person signing the statement after formation contained in the IDS was known to any) more than three months prior to the filing of this | | |
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| | | | | Respectfully submitted, Alexander K. Hoefler et al. | | |
| | ROLA, IN er Numbe | | | Daniel D. Hill Attorney for Applicant(s) Reg. No. 35,895 | | |
| Enclosu | res: | | PTO/SB/08 References Foreign Search Report Other: | Tel. (512) 996-6839 | | |

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| | | | Application Number | | | | |
| INFORM | ATION DISCLOSU | RE | Filing Date | | | | |
| ł . | MENT BY APPLICA | | First Named Inventor | Alexander K. Hoefler et al. | | | |
| SIAIL | ILITI DI ALI LIOA | | Group Art Unit | | | | |
| (use as many sheets as necessary) | | | Examiner Name | | | | |
| Sheet 1 | of | 1 | Attorney Docket Number | SC12779TP | | | |

| | | - | U. S. PATENT DOC | UMENTS | | | |
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| Examiner Initials* | Cite No. 1 | Document Number Number -Kind Code ² (if known) | Publication Date MM-DD-YYYY | Nam | ne of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Re Passages or Relevant Figures A | |
| | T AA | US -6,201,282 B1 | 03-13-2001 | EITAI | V | | |
| | AB | US -5,969,383 | 10-19-1999 | CHAN | IG | | |
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| | AC | EITAN et al., "NROM: A Novel Localized Trapping, 2-Bit Nonvolatile Memory Cell," IEEE ELECTRON DEVICE LETTERS, VOL. 21, NO. 11, NOVEMBER 2000, pp. 543-545. | | | | | |
| | AD | CHANG et al., "New SONOS Memo DEVICE LETTERS, VOL. 19, NO. 7 | | | g," IEEE ELECTRON | | |

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